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through the Rotifera and Entozoa, they connect with the Articulata, thus passing by each way, out of the true Radiate type, into that which characterizes the higher sub-kingdoms. The Bryozoa, Rotifera and Entozoa, may be arranged in the sub-kingdom Radiata, or with the Mollusca and Articulata, whose types of structure they exhibit, though under a Radiate form.

The Echinoderms, although so strikingly peculiar in some species—the Echini—yet through the Holothuria, bear closely upon the Articulata; while the Acalephs incline toward the Mollusca.

In the above remarks, it is not attempted to trace out all the gradations in the groups referred to, but only the most prominent. The animal kingdom is throughout a net work of affiliations, yet there are main trunks and larger branches, to which the smaller anastomosing ramifications are subordinate. Much study will be required before the system of nature from the Protozoa up, can be correctly mapped out.

Mr. Dana read a notice of a new genus of Cyclopidae, named by him Corycæus. Referred to the following Committee: Dr. Leidy, Mr. Haldeman and Dr. Pickering.

The Chairman read some extracts from a letter recently addressed to him by Prof. Bailey, of West Point, in reference to the skeleton of the Mastodon lately discovered near Newburg, New York. A more detailed account was promised in a future letter.

Stated Meeting, Oct. 21, 1845.

VICE PRESIDENT MORTON in the Chair.

DONATIONS TO MUSEUM.

Specimen of native copper, from Point Keewenon, Lake Superior. From Dr. Pitcher, of Detroit, through Dr. Morton.

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Specimens of *Conus eburneus*, *Harpa rosea*, *Cytherea bi-radiata*, *Bulimus concinnus*, and *Bulimus* ———. Presented by Dr. Goddard.

Twenty-six specimens of Minerals, from Spain. Collected and presented by Mr. John C. Fory.

Seeds of *Annona cherimolia*, from Payta, Peru. From Mr. Wm. Gambel.

DONATIONS TO LIBRARY.

The American Journal of Science and Arts. Vol. 49, No 2. Oct., 1845. From the Editors.

The latitude of the Cambridge Observatory, Mass., determined by Messrs. Wm. C. and Geo. P. Bond, of Harvard University, and Major J. D. Graham, U. S. Topographical Engineers. By Benjamin Peirce, Professor of Astronomy and Mathematics in Harvard University. From Major Graham.

The Chairman read a note from Mr. J. C. Fory in reference to his donation of minerals of this evening, and enclosing a memorandum descriptive of the same.

A resolution of thanks to Mr. Fory for his donation, was on motion of Mr. Vaux, tendered by the Society.

Meeting for Business, Oct. 28, 1845.

MR. PEARSALL in the Chair.

The Committee to whom was referred the following description by Mr. James D. Dana, read 14th inst., reported in favour of publication.

Genus *CORYCÆUS*, (Dana.)

Cyclopidæ cephalo-thorace compresso, 3—4 articulo; oculis mediis inconspicuis, sed in frontem duabus lenticulis crystallinis oblati prægrandibus, et penitus aliis lenticulis prolatis minoribus,